

**Application 100**  
Exemplary Operations:

- A. Open file 101
- B. Manipulate file 102
- C. Close file 103

**Test Scenarios For 2 Variables 110**

Operating systems 120

	Windows XP	Windows 2000	Mac OS X
Processor Family Types 130			
Intel Celeron	X	X	X
AMD Thunderbird	X	X	X
Intel Pentium IV	X	X	X

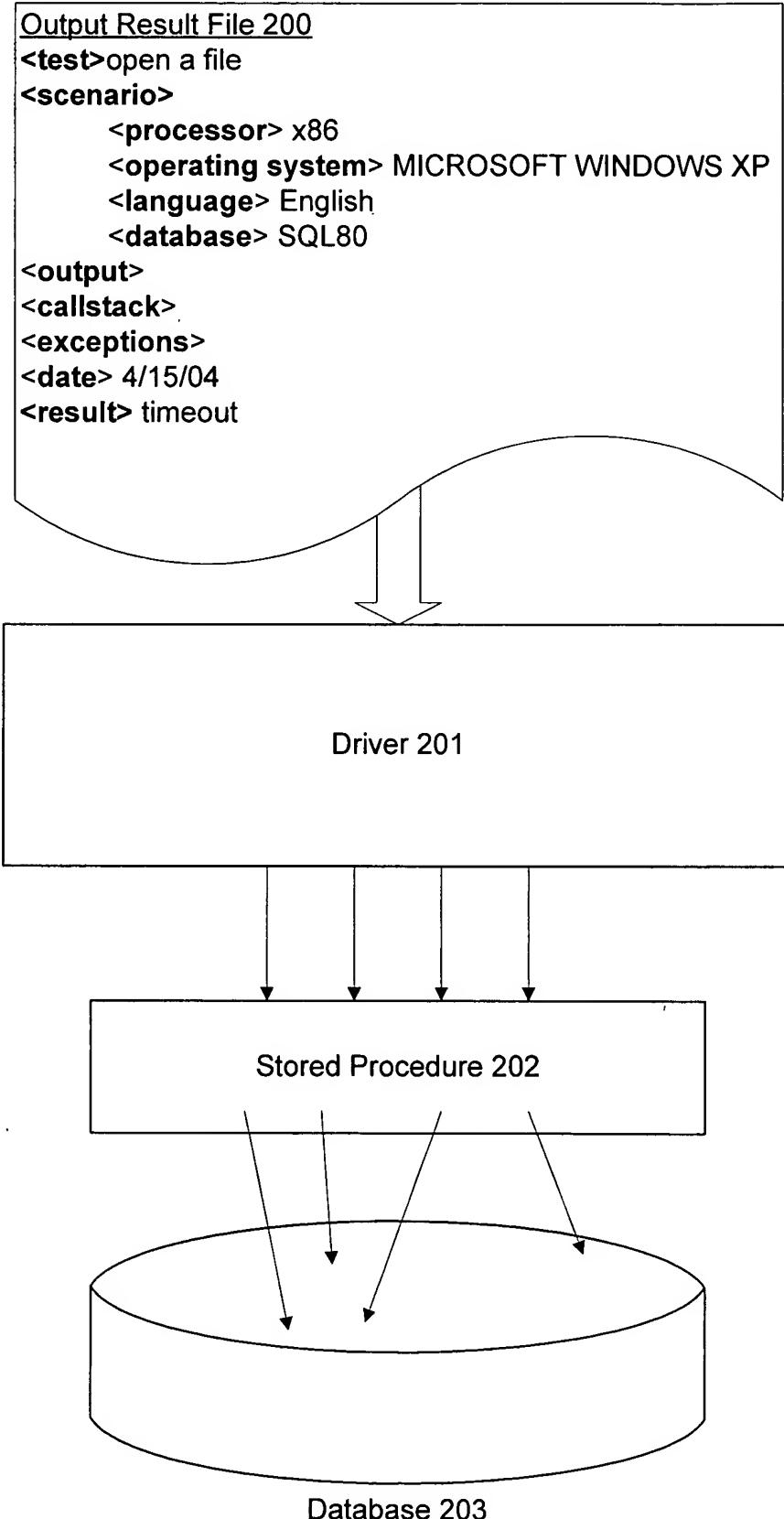
( Total Tests = (# in variable 1) x (# in variable 2) = 3 x 3 = 9 )

**Test Scenarios For 3-8 Variables 140**

Number of variables 150

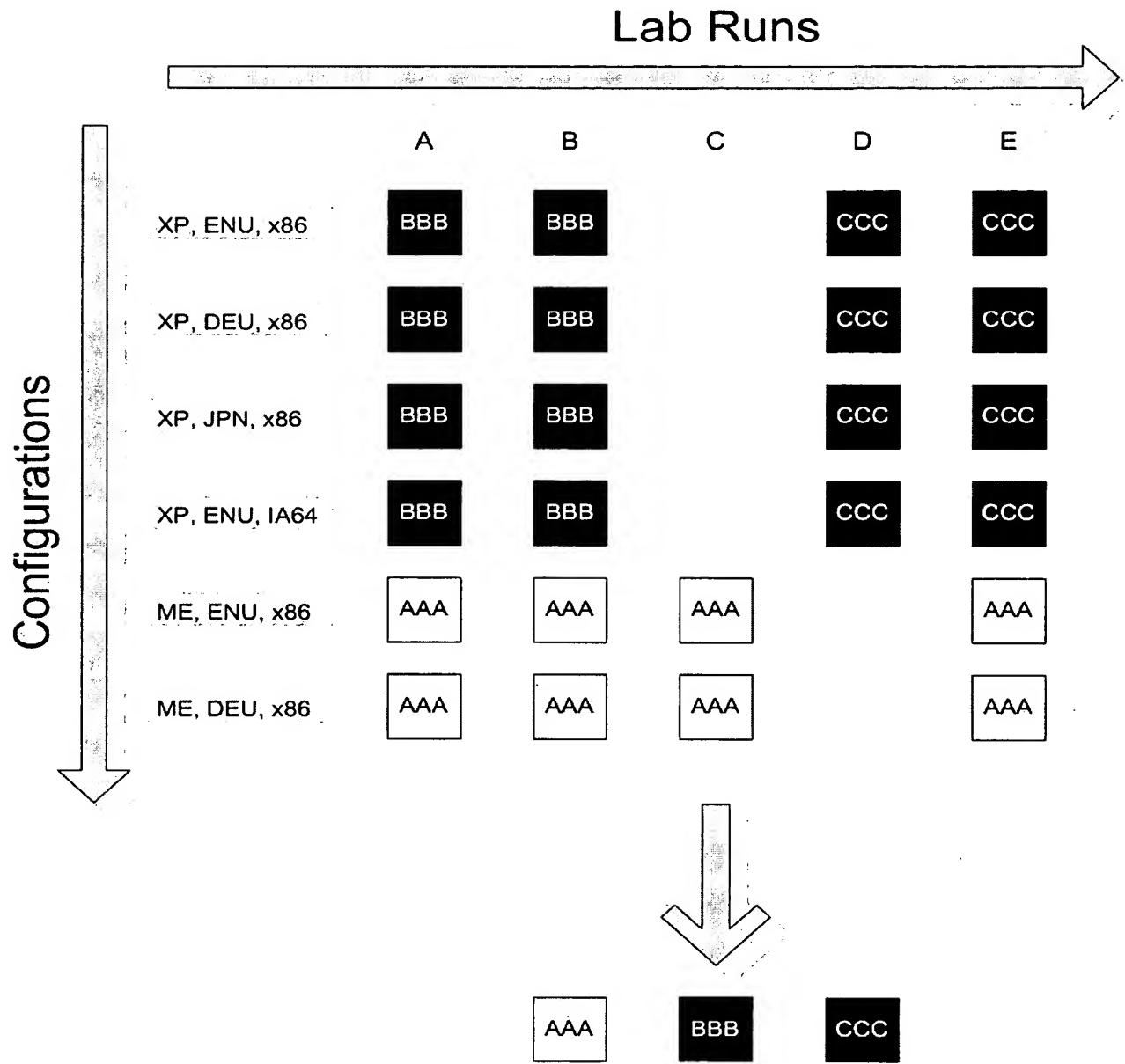
Number of variations within each variable 160	3	4	5	6	7	8
4	64	256	1024	4096	16384	65536
5	125	625	3125	15625	78125	390625
6	216	1296	7776	46656	279936	1679616

Fig. 1



**Fig. 2**

# Collapsing Failures



**Fig. 3**

## Exemplary Database Schema

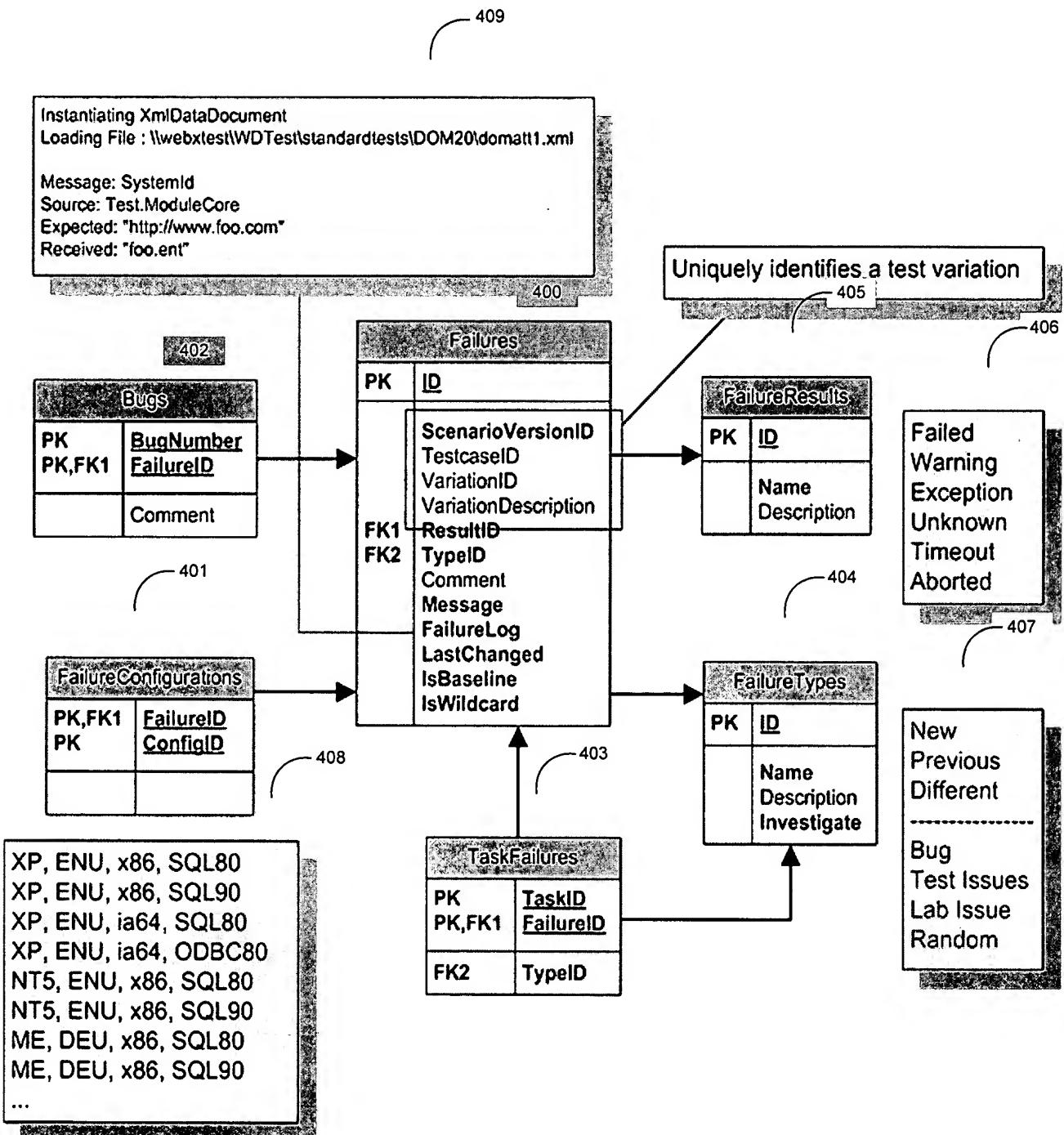
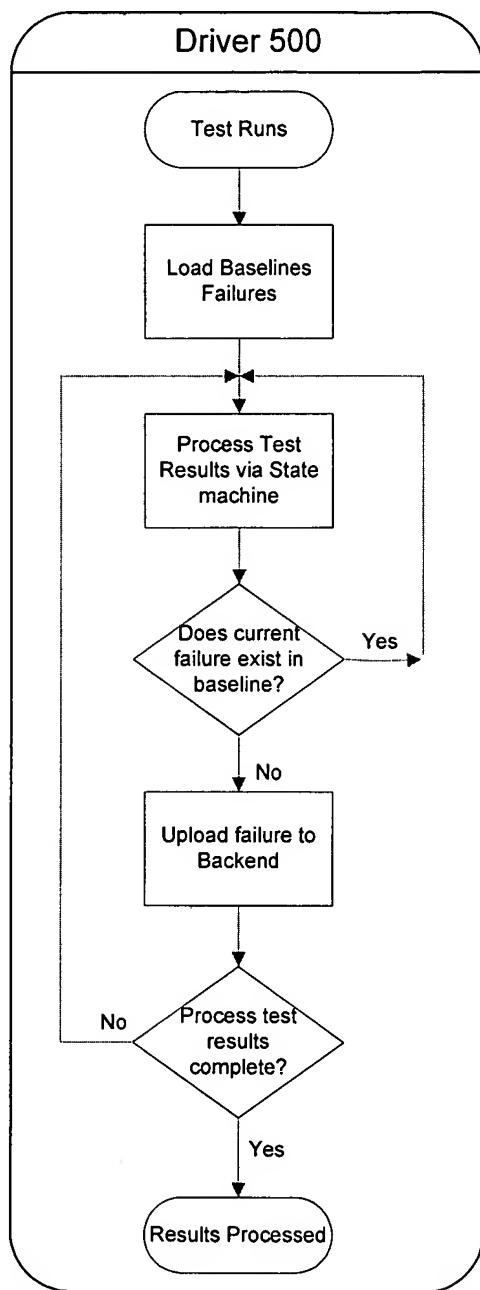


Fig. 4



**Fig. 5**

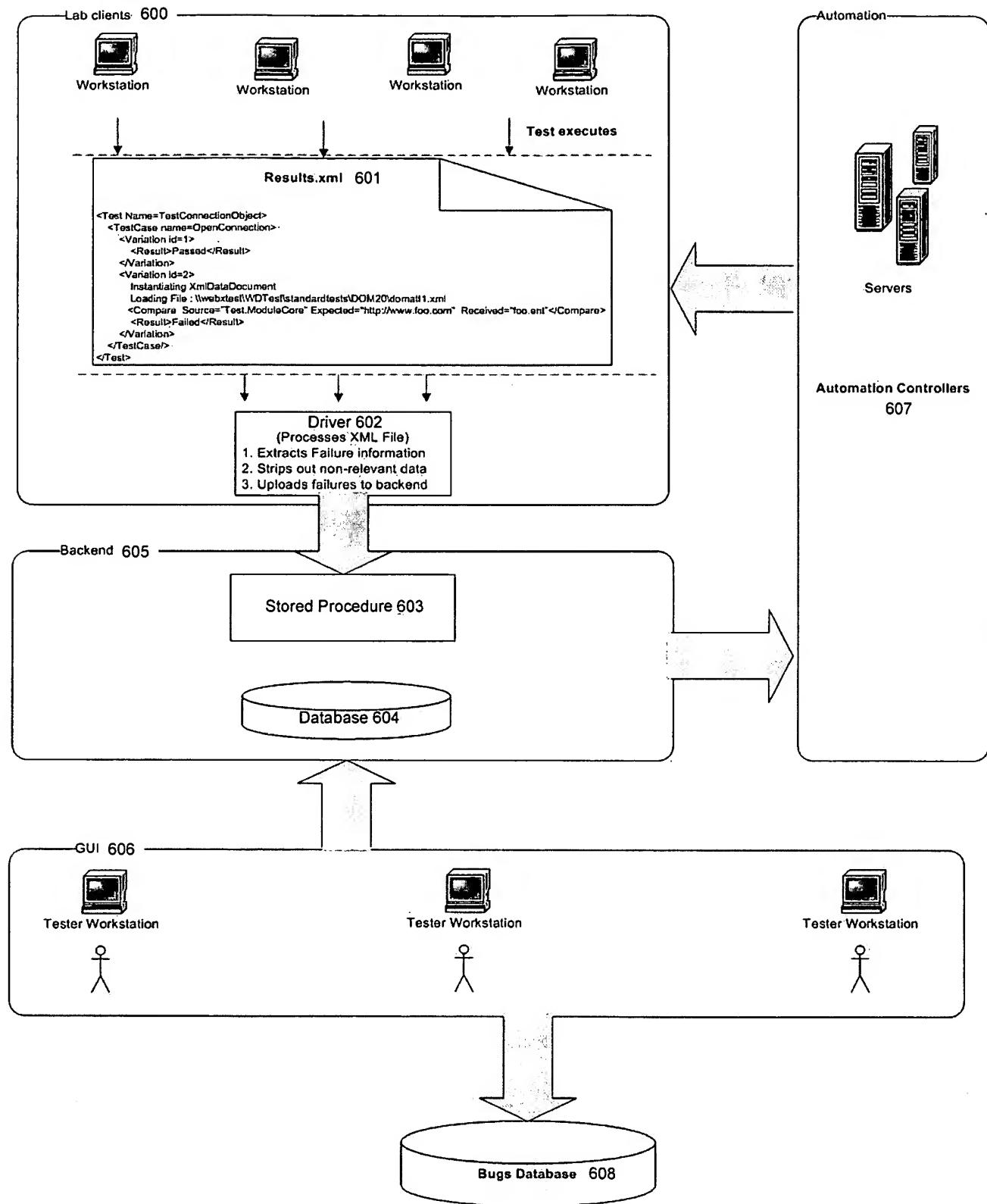


Fig. 6

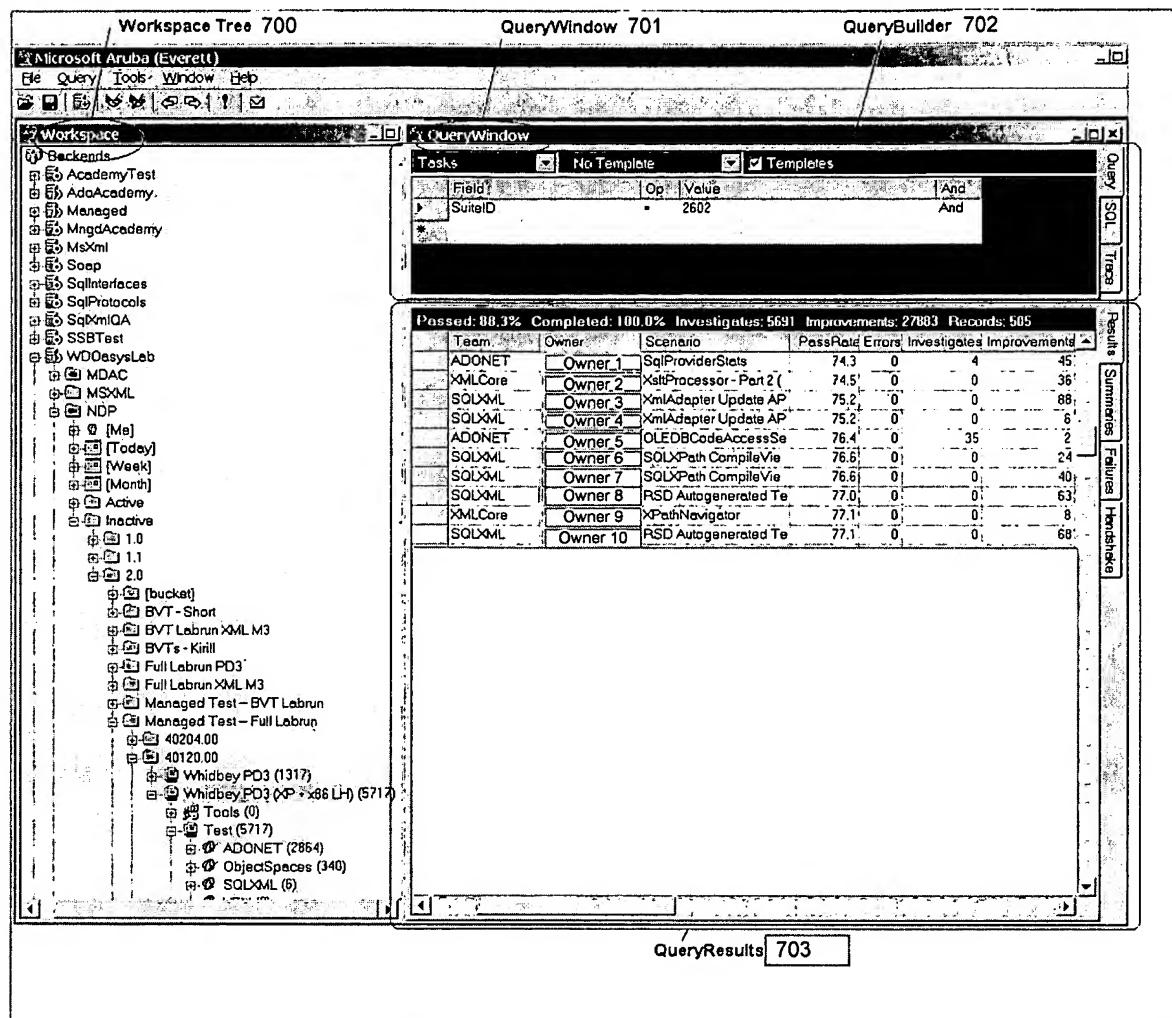


Fig. 7

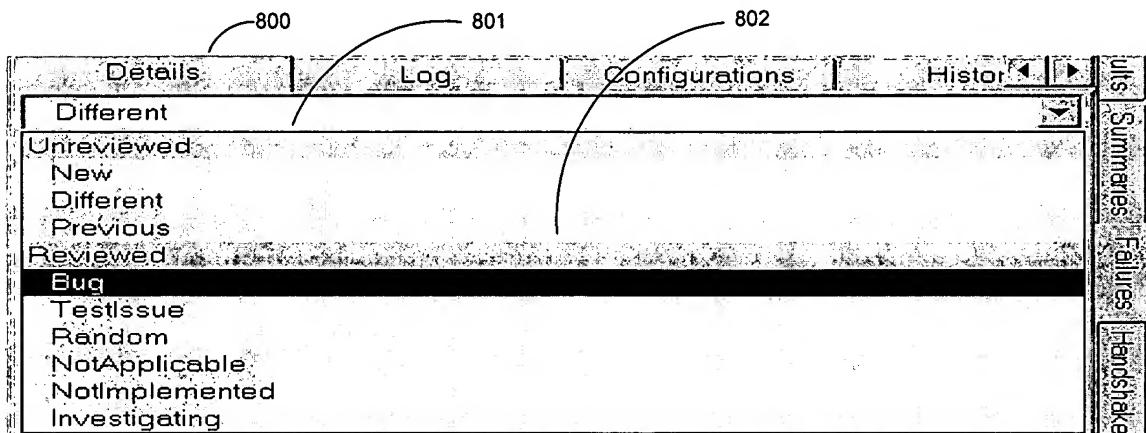


Fig. 8

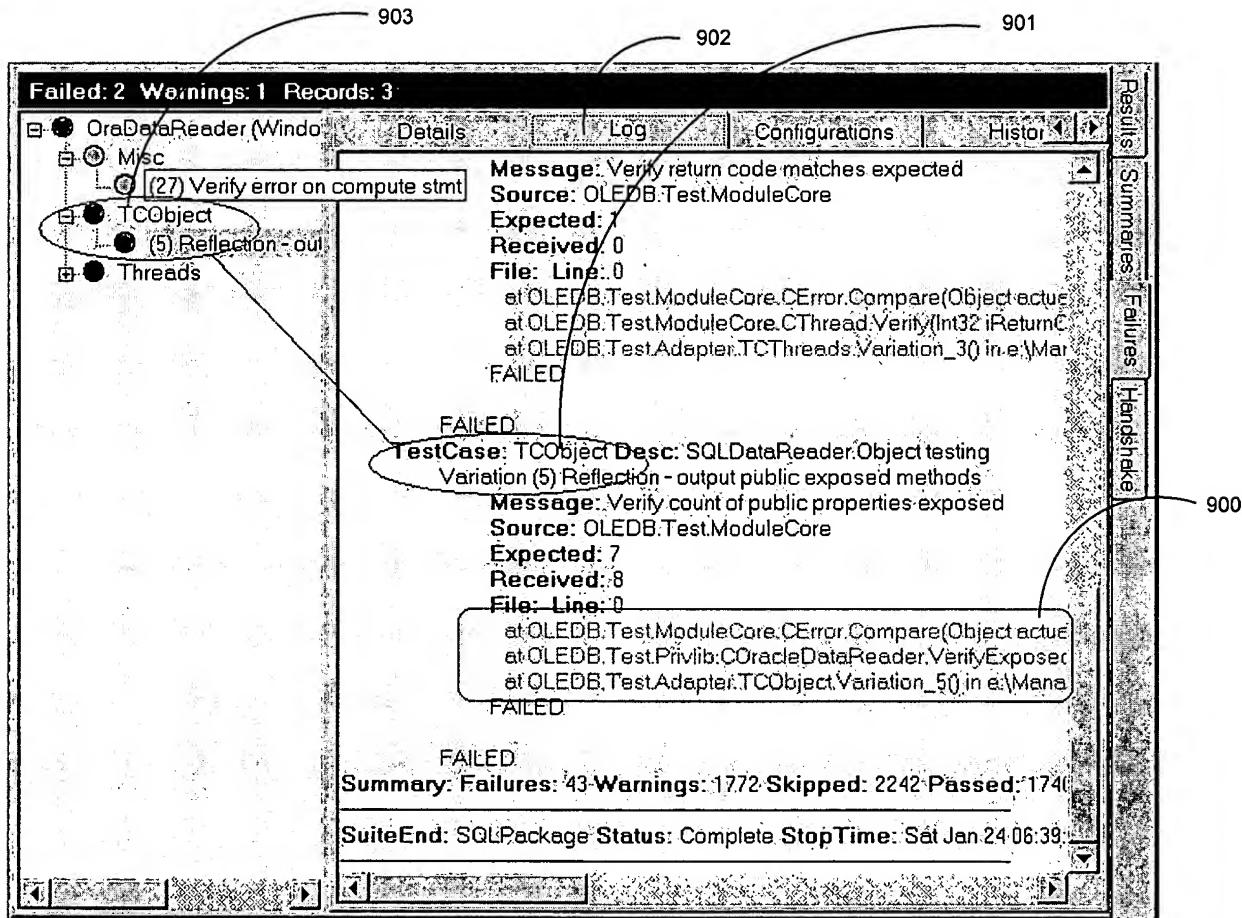


Fig. 9

## Templates 1000

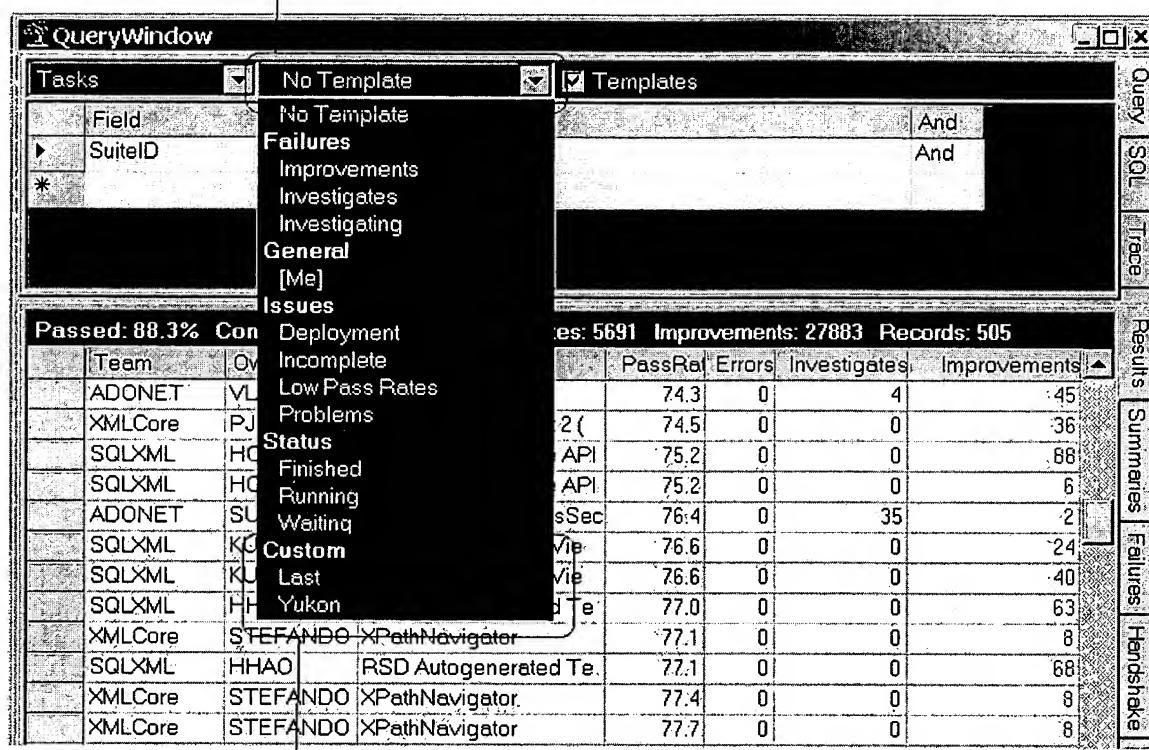
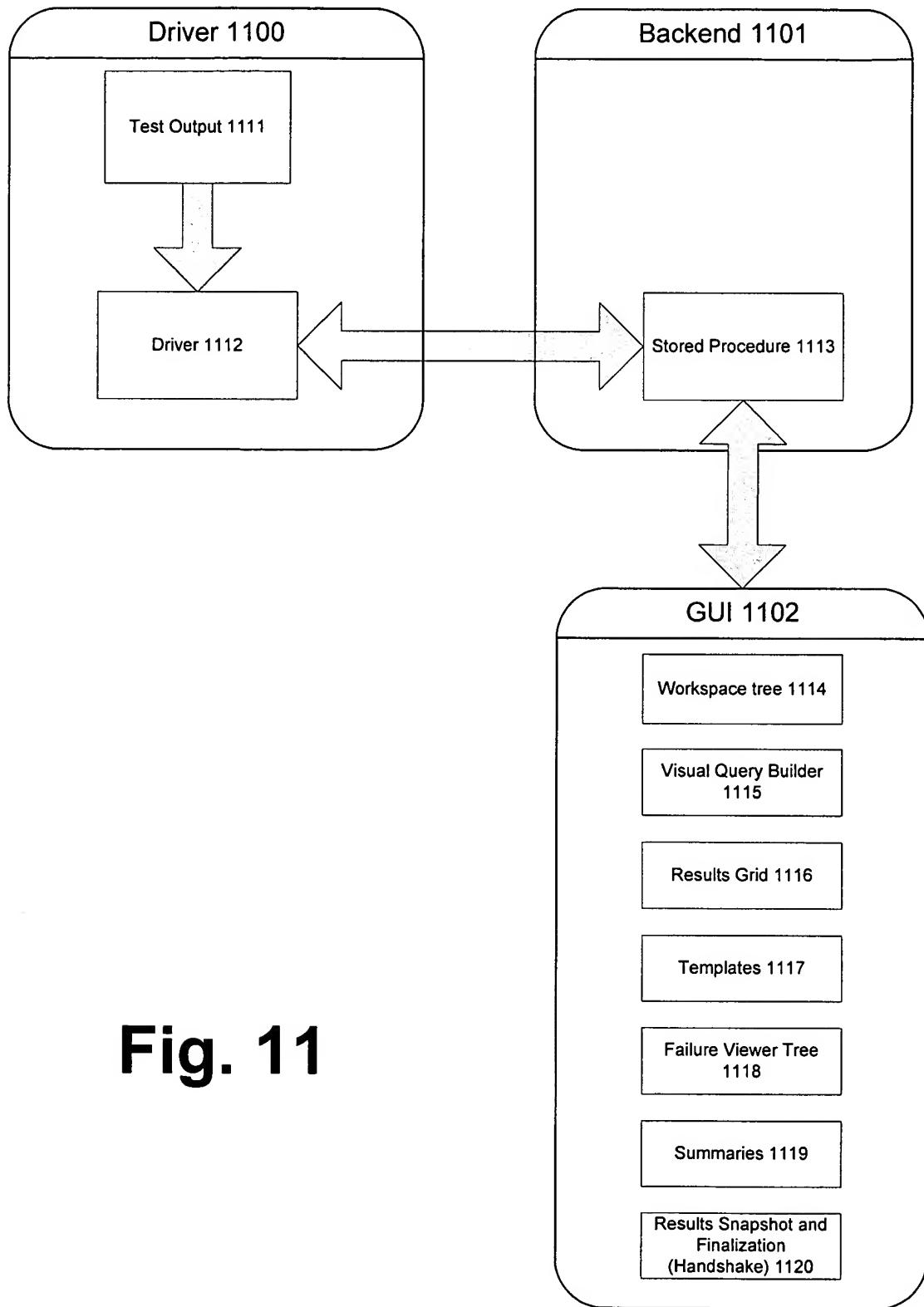
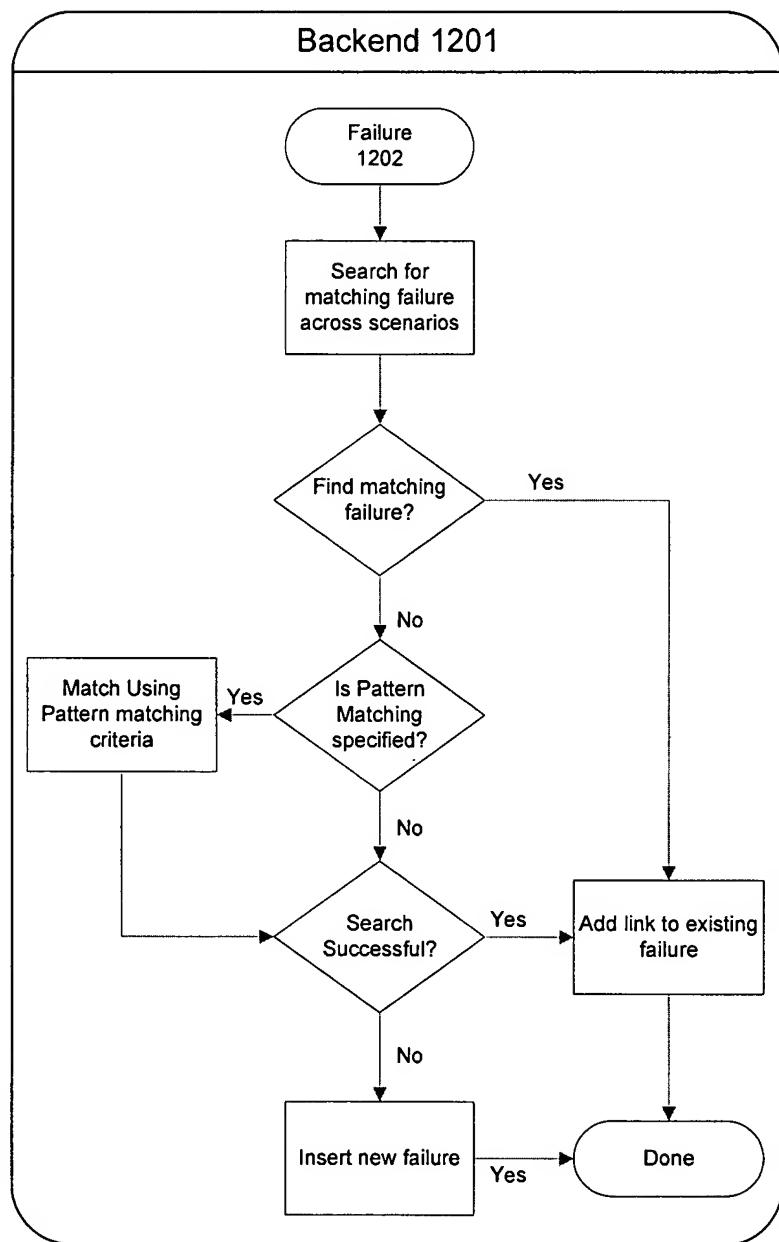


Fig. 10



**Fig. 11**



**Fig. 12**